

**Commonwealth of Kentucky
Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382**

Draft

**AIR QUALITY PERMIT
Issued under 401 KAR 52:020**

Permittee Name: Augusta Fiberglass Coating, Inc.
Mailing Address: 86 Lake Cynthia Road, Blackville SC 29817

Source Name: Augusta Fiberglass Coating, Inc.
Mailing Address: 86 Lake Cynthia Road, Blackville SC 29817

Source Location: 815 Dix Dam Road, Harrodsburg, Kentucky

Permit ID: V-07-007
Agency Interest: 83749
Activity ID: APE20070001
Review Type: Title V, Construction / Operating
Source ID: 021-167-00027

Regional Office: Frankfort Regional Office
663 Teton Trail
Frankfort, KY 40601
(502) 564-3358

County: Mercer

Application
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**John S. Lyons, Director
Division for Air Quality**

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	Permit type	Activity#	Complete Date	Issuance Date	Summary of Action
V-07-007	Initial Issuance	APE20070001	02/25/07	TBD, 2007	Initial

SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Points #	Description	Proposed Construction	Controls
01(EU1)	Mechanical Non-atomized Resin Spray Gun	9/2007	None
02(EU2)	Filament Winding Resin Bath	9/2007	None
03(EU3)	Manual Hand Lay-up Operations	9/2007	None
04(EU4)	Resin Storage Tank	9/2007	None
05	Clean-up Solvent	9/2007	None

Emission Points Description

- 01(EU1) Mechanical Non-atomized Resin Spray Gun**
This emission unit includes one flow chopper gun and associated equipment used for applying resin and chopped fiberglass on a spinning mandrel (mechanical non-atomized resin application process).
- 02(EU2) Filament Winding Resin Bath**
This emission unit includes a filament application in which reinforcement (fiberglass strand) is fed through a resin bath and wound onto a rotating mandrel.
- 03(EU3) Manual Hand Lay-up Operations**
This emission unit includes the manual application of resin to the fiberglass liner and smoothing with hand rollers. This activity also encompasses all manual resin application processes during stack liner installation.
- 04(EU4) Resin Storage Tank**
This emission unit covers a double-walled resin storage tank serving the FRP production process.
- 05 Clean-up Solvent**
This emission unit covers a solvent cleaning process.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**APPLICABLE REGULATIONS:**

40 CFR Part 63 Subpart WWWW, National Emission Standards for Hazardous Air Pollutants for Reinforced Plastic Composites Production shall become applicable upon startup of the new source.

1. Operating Limitations:**40 CFR Part 63 Subpart WWWW**

- a. Pursuant to 63.5805(c), the permittee shall meet the work practice standards in Table 4 for the resin storage, equipment cleaning and mixing operations. The specific requirements applicable to this source shall be as follows:
 - i. For the cleaning operations, the permittee shall not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Application equipment will include any equipment that directly contacts resin.
 - ii. For the HAP-containing materials storage operations, the permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.
 - iii. For the mixing operation, the permittee shall use mixer covers with no visible gaps present in the mixers covers, except that gaps of up to 1 inch are permissible around mixer shafts and any required instrumentation. The permittee shall close any mixer vents when actual mixing is occurring, except that venting may be allowed during addition of materials, or as necessary prior to adding materials or opening the cover for safety. The permittee shall also keep the mixer covers closed while actual mixing is occurring except when adding materials or changing covers to the mixing heads. Containers of 5 gallons or less may be open when active mixing is taking place, or during periods when they are in process (i.e., they are actively being used to apply resin).
- b. Pursuant to 63.5835(c), the permittee shall always operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in 40 CFR 63.6(e)(1)(i).

2. Emission Limitations:**40 CFR Part 63 Subpart WWWW**

- a. Pursuant to 63.5805(c), the permittee shall comply with the organic HAP emissions limits in Table 3. The specific emission limits for the affected facilities are as follows:

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit	Organic HAP Emission Limit
Mechanical Resin application	113 lb/ton
Filament application	171 lb/ton
Manual resin application	123 lb/ton

Compliance Demonstration Method:

- i. Pursuant to 63.5796, the permittee shall use the following equations specified in Table 1 to calculate the emissions factors. The use of these equations will demonstrate compliance without the need to conduct a HAP emissions test:

- (a) For mechanical non-atomized resin application with nonvapor-suppressed resin, organic HAP emission factor equation for materials with 33 percent or more organic HAP will be:

$$\text{Emission factor (lb/ton)} = ((0.157 \times \% \text{HAP}) - 0.0165) \times 2000$$

- (b) For filament application with nonvapor-suppressed resin, organic HAP emission factor equation for materials with 33 percent or more organic HAP will be:

$$\text{Emission factor (lb/ton)} = ((0.2746 \times \% \text{HAP}) - 0.0298) \times 2000$$

- (c) For manual application with nonvapor-suppressed resin, organic HAP emission factor equation for materials with 33 percent or more organic HAP will be:

$$\text{Emission factor (lb/ton)} = ((0.286 \times \% \text{HAP}) - 0.0529) \times 2000$$

- ii. Pursuant to 63.5797, the permittee shall use the following procedures to determine the organic HAP content of resins using manufacturer's formulation data and material safety data sheets (MSDS):

- (a) The permittee shall include each organic HAP that is present at 0.1 percent by mass or more for Occupational Safety and Health Administration-defined carcinogens, as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other organic HAP compounds in the total organic HAP content.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- (b) If the organic HAP content is provided by the material supplier or manufacturer as a range, the permittee shall use the upper limit of the range for determining compliance. If a separate measurement of the total organic HAP content, such as an analysis of the material by EPA Method 311 of appendix A to 40 CFR part 63, exceeds the upper limit of the range of the total organic HAP content provided by the material supplier or manufacturer, then the permittee shall use the measured organic HAP content to determine compliance.
 - (c) If the organic HAP content is provided as a single value, the permittee shall use that value to determine compliance. If a separate measurement of the total organic HAP content is made and is less than 2 percentage points higher than the value for total organic HAP content provided by the material supplier or manufacturer, then the permittee may use the provided value to demonstrate compliance. If the measured total organic HAP content exceeds the provided value by 2 percentage points or more, then the permittee may use the measured organic HAP content to determine compliance.
- iii. Pursuant to 63.5810, the permittee shall use one of the following methods to comply with the emission limits specified in Condition **2.a. above**. The permittee may use any control method that reduces organic HAP emissions, including reducing resin organic HAP content and using covered curing techniques. The permittee may use different compliance options for the different operations listed in Condition **2.a. above**. The necessary calculations shall be completed within 30 days after the end of each month. The permittee may switch between the compliance options in the following paragraphs (a) through (c). When the change is made to an option based on a 12-month rolling average, the permittee shall base the average on the previous 12 months of data calculated using the compliance option the change is made to, unless the permittee was previously using an option that did not require to maintain records of resin and gel coat use. In this case, the permittee shall immediately begin collecting resin use data and demonstrate compliance 12 months after changing options.
 - (a) The permittee shall demonstrate that an individual resin or gel coat, as applied, meets the applicable emission limit specified in Condition **2.a. above**.
 - (1) The permittee shall calculate the actual organic HAP emissions factor for each different process stream within each operation type. A process stream is defined as each individual combination of resin or gel coat, application technique, and control technique. Process streams within operations types are considered different from each other if any of the following four characteristics vary: the neat resin plus or neat gel coat plus organic HAP content, the gel coat type, the application technique, or the

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

control technique. The permittee may calculate organic HAP emissions factors for each different process stream by using the appropriate equations specified condition **2.a.i. above**.

- (2) If the calculated emission factor is less than or equal to the appropriate emission limit, the permittee shall be in compliance with emission limits specified in Condition **2.a. above**. It is not necessary that all the process streams considered individually demonstrate compliance. The permittee may use this option for some process streams. However, for any individual resin that is used, if any of the process streams that include that resin are to be used in any averaging calculations described below, then all process streams using that individual resin must be included in the averaging calculations.
- (b) The permittee shall demonstrate that, on average, the individual organic HAP emissions limits for each combination of operation type and resin application method are met. The permittee shall demonstrate that on average, the individual organic HAP emissions limits for each unique combination of operation type and resin application method specified in Condition **2.a. above** are met.
- (1) The permittee may group the process streams by operation type and resin application method and then calculate a weighted average emission factor based on the amounts of each individual resin used for the last 12 months. To do this, the permittee will sum the product of each individual organic HAP emissions factor calculated in paragraph **(a)(1)** above and the amount of neat resin usage that corresponds to the individual factors and divide the numerator by the total amount of neat resin used in that operation type as shown in the following equation:

$$\text{Average HAP Emissions Factor} = \frac{\sum_{i=1}^n (\text{Actual Process Stream EF}_i * \text{Material}_i)}{\sum_{i=1}^n \text{Material}_i}$$

Where: Actual Process Stream EF_i = actual organic HAP emissions factor for process stream *i*, lbs/ton

Material_i = neat resin used during the last 12 calendar months for process stream *i*, lbs/ton

n = number of process streams where the permittee calculated an organic HAP emissions factor

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

The permittee may, but is not required to, include process streams where the permittee has demonstrated compliance as described in paragraph (a) above.

- (2) The permittee will compare each organic HAP emissions factor calculated above with its corresponding organic HAP emissions limit specified in Condition **2.a. above**. If all emissions factors are equal to or less than their corresponding emission limits, then the permittee shall be in compliance.
- (c) The permittee shall demonstrate compliance with a weighted average emission limit. The permittee shall demonstrate each month that the permittee meets each weighted average of the organic HAP emissions limits. When using this option, the permittee shall demonstrate compliance with the weighted average organic HAP emissions limit for all the open molding operations.
- (1) The permittee shall calculate the weighted average organic HAP emissions limit for all open molding operations on a monthly basis for the last 12-month period to determine the organic HAP emissions limit. The permittee shall calculate the weighted average emission limit using the following equation:

$$\text{Weighted Average Emission Limit} = \frac{\sum_{i=1}^n (EL_i * Material_i)}{\sum_{i=1}^n Material_i}$$

Where: EL_i = organic HAP emissions limit for operation type i , lbs/ton

$Material_i$ = neat resin used during the last 12 calendar months for operation type i , tons

n = number of operations

- (2) The permittee shall calculate the weighted average organic HAP emissions factor for open molding operations. The permittee shall calculate the weighted average emission factor using the following equation

$$\text{Average Weighted Average Organic HAP Emissions Factor} = \frac{\sum_{i=1}^n (\text{Actual Operation } EF_i * Material_i)}{\sum_{i=1}^n Material_i}$$

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Where: Actual Operation EF_i = Actual organic HAP emissions factor for operation type i , lbs/ton

$Material_i$ = neat resin used during the last 12 calendar months for operation type i , tons

n = number of operations

- (3) The permittee shall compare the values calculated in paragraphs (c)(1) and (2) above. If each 12-month rolling average organic HAP emissions factor is less than or equal to the corresponding 12-month rolling average organic HAP emissions limit, then the permittee shall be in compliance.
- iv. Pursuant to 63.5860(a), the permittee shall demonstrate initial compliance with each organic HAP emissions and operating standard in Conditions **1.a. and 2.a. above** using the procedures shown in Tables 8 (Emission Limits) and 9 (Work Practice Standard). The specific applicable provisions are highlighted below:
 - (a) The permittee shall demonstrate initial compliance with the emission limits specified in Condition **2.a. above** if the permittee has met the appropriate organic HAP emission limits for the open molding operations as calculated using the procedures specified above on a 12-month rolling average 1 year after initial startup and/or
 - (b) The permittee demonstrates that any individual resins, not included in (a) above, as applied meets the corresponding emission limits.
 - (c) The permittee shall demonstrate initial compliance with the work practice standards specified in Condition **1.a. above** if the permittee submits a certified statement in the notice of compliance status that:
 - (1) all cleaning materials, except styrene contained in closed systems, or materials used to clean cured resin from application equipment, contain no HAP;
 - (2) all HAP-containing storage containers are kept closed or covered except when adding or removing materials, and that any bulk storage tanks are vented only as necessary for safety;
 - (3) mixer covers are closed during mixing except when adding materials to the mixers, and that gaps around mixer shafts and required instrumentation are less than 1 inch.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- v. Pursuant to 40 CFR 63.5900(a)(2), the permittee will demonstrate compliance with the organic HAP emissions limits by maintaining an organic HAP emissions factor value less than or equal to the appropriate organic HAP emissions limit specified in Condition **2.a. above**, on a 12-month rolling average, and/or by including in each compliance report a statement that individual resins and gel coats, as applied, meet the appropriate organic HAP emissions limits. Refer to condition **4.c. below**.

3. Testing Requirements:

Testing shall be conducted at such times as may be required by the Cabinet in accordance with the Regulations 401 KAR 59:005 Section 2(2) and KAR 50:045 Section 3.

4. Specific Monitoring Requirements:**40 CFR Part 63 Subpart WWWW**

- a. Pursuant to 63.5895(b), the permittee shall monitor and collect data as specified below:
 - i. Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or collect data at all required intervals) at all times that the affected source is operating.
 - ii. The permittee shall not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable.
 - iii. At all times, the permittee shall maintain necessary parts for routine repairs of the monitoring equipment.
 - iv. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring equipment to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.
- b. Pursuant to 63.5895(c), the permittee shall monitor the resin usage, organic HAP content, and operation where the resin is used.
- c. Pursuant to 63.5895(d), resin use monitoring is not required for the individual resins that have demonstrated, as applied, to meet their applicable emission limits as specified in Condition **2.a. above**.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**5. Specific Recordkeeping Requirements:****40 CFR Part 63 Subpart WWWW**

- a. Pursuant to 40 CFR 63.5915(a)(1), the permittee shall keep the records of a copy of each notification and report that the permittee submitted to comply with 40 CFR 63 Subpart WWWW, including all documentation supporting any initial notification or notification of compliance status that the permittee submitted.
- b. Pursuant to 40 CFR 63.5915(c), the permittee shall keep all data, assumptions, and calculations used to determine organic HAP emissions factors or average organic HAP contents for the affected operations.
- c. Pursuant to 40 CFR 63.5915(d), the permittee shall keep a certified statement that the permittee is in compliance with the work practice requirements specified in Condition **1.a. above**
- d. Pursuant to 40 CFR 63.5895(b), the permittee shall record the data as specified below:
 - i. Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permittee shall collect data at all required intervals at all times that the affected source is operating.
 - ii. The permittee shall not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable.
- e. Pursuant to 40 CFR 63.5895(c), the permittee shall record the resin usage, organic HAP content, and operation where the resin is used. Resin use records may be based on purchase records if the permittee can reasonably estimate how the resin is applied. The organic HAP content records may be based on MSDS or on resin specifications supplied by the resin supplier.
- f. Pursuant to 40 CFR 63.5895(d), resin use records are not required for the individual resins that have demonstrated, as applied, to meet their applicable emission limits as specified in Condition **2.a. above**.
- g. Pursuant to 40 CFR 63.5920(a), the permittee shall maintain all applicable records in such a manner that they can be readily accessed and are suitable for inspection according to 40 CFR 63.10(b)(1).
- h. Pursuant to 40 CFR 63.5920(b) and as specified in 40 CFR 63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- i. Pursuant to 40 CFR 63.5920(c), the permittee shall keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record and can keep the records offsite for the remaining 3 years.
- j. Pursuant to 40 CFR 63.5920(d), the permittee may keep records in hard copy or computer readable form including, but not limited to, paper, microfilm, computer floppy disk, magnetic tape, or microfiche.

6. Specific Reporting Requirements:**40 CFR Part 63 Subpart WWWW**

- a. Pursuant to 63.5900(b), the permittee shall report each deviation from each standard in Conditions **1.a. and 2.a. above**. The deviations must be reported according to the requirements in Conditions **6.d. and 6.e. below**.
- b. Pursuant to 63.5905(a), the permittee shall submit all of the following applicable notifications specified in Table 13:
 - i. The permittee shall submit an initial notification for a new source with initial startup. [40 CFR 63.9(b)(4)]
 - ii. The permittee shall submit an initial notification that the permittee is subject to 40 CFR 63 Subpart WWWW with initial startup. [40 CFR 63.9(b)(5)]
 - iii. If the permittee is complying with organic HAP emissions averaging compliance option, the permittee shall submit a notification of compliance status no later than 1 year plus 30 days after startup.
 - iv. If the permittee is complying with organic HAP emissions limit other than organic HAP emissions limit averaging, the permittee shall submit a notification of compliance status no later than 30 days after startup.
- c. If the permittee changes any information submitted in any notification, the permittee shall submit the changes in writing to this Division within 15 calendar days after the change.
- d. Pursuant to 63.5910(b), the permittee shall submit each report according to the dates specified in Table 14 and in accordance with 63.5910(b)(1) through (5) below.
 - i. The first compliance report shall cover the period beginning on the compliance date (initial startup) and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the initial startup.
 - ii. The first compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date follows the end of the first calendar half after the initial startup.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- iii. Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.
- iv. Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.
- v. See Section F

The compliance report shall contain the following information:

- i. Company name and address.
 - ii. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
 - iii. Date of the report and beginning and ending dates of the reporting period.
 - iv. If the permittee had a startup, shutdown, or malfunction during the reporting period and took actions consistent with the startup, shutdown, and malfunction plan, the compliance report must include the information in 63.10(d)(5)(i).
 - v. If there are no deviations from any organic HAP emissions limitations (emissions limit and operating limit) that are applicable, and there are no deviations from the requirements for work practice standards, a statement that there were no deviations from the organic HAP emissions limitations or work practice standards during the reporting period.
- e. Pursuant to 63.5910(d), for each deviation from an organic HAP emissions limitation (i.e., emissions limit and operating limit) and for each deviation from the requirements for work practice standards, in addition to the information in Condition **6.d. above** the permittee shall include the following information in the compliance report. This includes periods of startup, shutdown, and malfunction.
- i. The total operating time of each affected source during the reporting period.
 - ii. Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.
- f. Pursuant to 63.5910(f), the permittee shall report if the permittee has exceeded the 100 tpy organic HAP emissions threshold. The permittee shall include with this report any request for an exemption under CFR 63.5805(e). If the permittee receives an exemption under 63.5805(e) and subsequently exceed the 100 tpy organic HAP emissions threshold, the permittee shall report this exceedance as required in 63.5805(f).

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- g. Pursuant to 63.5910(i), the permittee shall state in the subsequent compliance report if the permittee has changed compliance options since the last compliance report.

7. Specific Control Equipment Operating Conditions:

None

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

<u>Description</u>	<u>Generally Applicable Regulation</u>
1. One Propane-fired space heater 1.0 MMBtu/hr	None

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
2. VOC and HAPs emissions, measured by applicable reference methods, or an equivalent or alternative method specified in 40 C.F.R. Chapter I, or by a test method specified in the state implementation plan shall not exceed the respective limitations specified herein.
3. Testing shall be conducted at such times as may be required by the cabinet in accordance with the Regulations 401 KAR 59:005 Section 2(2) and KAR 50:045 Section 3.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b-IV-1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
 - a. Date, place as defined in this permit, and time of sampling or measurements;
 - b. Analyses performance dates;
 - c. Company or entity that performed analyses;
 - d. Analytical techniques or methods used;
 - e. Analyses results; and
 - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b-IV-2 and 1a-8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
 - b. To access and copy any records required by the permit;
 - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Sections 1b-V-1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. If continuous emission and opacity monitors are required by regulation or this permit, data shall be reported in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7 above) to the Regional Office listed on the front of this permit within 30 days. Deviations from permit requirements, including those previously reported under F.7 above, shall be included in the semiannual report required by F.6 [Sections 1b-V, 3 and 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
 - a. Identification of the term or condition;
 - b. Compliance status of each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent;
 - d. The method used for determining the compliance status for the source, currently and over the reporting period.
 - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications shall be mailed to the following addresses:

Division for Air Quality
Frankfort Regional Office
663 Teton Trail
Frankfort, KY 40601

U.S. EPA Region 4
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth St.
Atlanta, GA 30303-8960

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.

SECTION G - GENERAL PROVISIONS**1. General Compliance Requirements**

- a. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 Section 3(1)(b) and a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a-3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].
- b. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a-6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- c. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
 - (1) If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
 - (2) The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
 - (3) The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;
 - (4) New requirements become applicable to a source subject to the Acid Rain Program.

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

- d. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the conditions of this permit [Sections 1a- 7 and 8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- e. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:020 Section 3(1)(c)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

- f. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].
- g. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a-14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- h. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a-4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- i. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens. [Section 1a-15-b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- j. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a-10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- k. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3)(b)].
- l. This permit does not convey property rights or exclusive privileges [Section 1a-9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
- m. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Cabinet or any other federal, state, or local agency.
- n. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3)(d)].
- o. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3)(a)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

- p. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.
- q. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of a permit shall be considered compliance with:
 - (1) Applicable requirements that are included and specifically identified in the permit and
 - (2) Non-applicable requirements expressly identified in this permit.

2. Permit Expiration and Reapplication Requirements

- a. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].
- b. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:020 Section 8(2)].

3. Permit Revisions

- a. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).
- b. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

SECTION G - GENERAL PROVISIONS (CONTINUED)**4. Construction, Start-Up, and Initial Compliance Demonstration Requirements**

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction of the equipment described herein, emission points **1, 2, 3, 4 and 5 @ Section B, and one Space Heater @ Section C** in accordance with the terms and conditions of this permit.

- a. Construction of any process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.
- b. Within thirty (30) days following commencement of construction and within fifteen (15) days following start-up and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Regional Office listed on the front of this permit in writing, with a copy to the Division's Frankfort Central Office, notification of the following:
 - (1) The date when construction commenced.
 - (2) The date of start-up of the affected facilities listed in this permit.
 - (3) The date when the maximum production rate specified in the permit application was achieved.
- c. Pursuant to 401 KAR 52:020, Section 3(2), unless construction is commenced within eighteen (18) months after the permit is issued, or begins but is discontinued for a period of eighteen (18) months or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon written request, the Cabinet may extend these time periods if the source shows good cause.
- d. For those affected facilities for which construction is authorized by this permit, a source shall be allowed to construct with the proposed permit. Operational or final permit approval is not granted by this permit until compliance with the applicable standards specified herein has been demonstrated pursuant to 401 KAR 50:055. If compliance is not demonstrated within the prescribed timeframe provided in 401 KAR 50:055, the source shall operate thereafter only for the purpose of demonstrating compliance, unless otherwise authorized by Section I of this permit or order of the Cabinet.
- e. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a performance demonstration on the affected facilities in accordance with 401 KAR 50:055, General compliance requirements. Testing must also be conducted in accordance with General Provisions G.5 of this permit.
- f. Terms and conditions in this permit established pursuant to the construction authority of 401 KAR 51:017 or 401 KAR 51:052 shall not expire.

SECTION G - GENERAL PROVISIONS (CONTINUED)**5. Testing Requirements**

- a. Pursuant to 401 KAR 50:045 Section 2, a source required to conduct a performance test shall submit a completed Compliance Test Protocol form, DEP form 6028, or a test protocol a source has developed for submission to other regulatory agencies, in a format approved by the cabinet, to the Division's Frankfort Central Office a minimum of sixty (60) days prior to the scheduled test date. Pursuant to 401 KAR 50:045, Section 7, the Division shall be notified of the actual test date at least Thirty (30) days prior to the test.
- b. Pursuant to 401 KAR 50:045 Section 5, in order to demonstrate that a source is capable of complying with a standard at all times, any required performance test shall be conducted under normal conditions that are representative of the source's operations and create the highest rate of emissions. If [When] the maximum production rate represents a source's highest emissions rate and a performance test is conducted at less than the maximum production rate, a source shall be limited to a production rate of no greater than 110 percent of the average production rate during the performance tests. If and when the facility is capable of operation at the rate specified in the application, the source may retest to demonstrate compliance at the new production rate. The Division for Air Quality may waive these requirements on a case-by-case basis if the source demonstrates to the Division's satisfaction that the source is in compliance with all applicable requirements.
- c. Results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days or sooner if required by an applicable standard, after the completion of the fieldwork.

6. Acid Rain Program Requirements

- a. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.
- b. The permittee shall comply with all applicable requirements and conditions of the Acid Rain Permit and the Phase II permit application (including the Phase II NOx compliance plan and averaging plan, if applicable) incorporated into the Title V permit issued for this source. The source shall also comply with all requirements of any revised or future acid rain permit(s) issued to this source.

7. Emergency Provisions

- a. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
 - (1) An emergency occurred and the permittee can identify the cause of the emergency;

SECTION G - GENERAL PROVISIONS (CONTINUED)

- (2) The permitted facility was at the time being properly operated;
 - (3) During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
 - (4) Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
 - (5) This requirement does not relieve the source of other local, state or federal notification requirements.
- b. Emergency conditions listed in General Condition G.7.a above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].
 - c. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

8. Ozone Depleting Substances

- a. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - (1) Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
 - (2) Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
 - (3) Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - (4) Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166
 - (5) Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - (6) Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
- b. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION G - GENERAL PROVISIONS (CONTINUED)

9. Risk Management Provisions

- a. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center
P.O. Box 1515
Lanham-Seabrook, MD 20703-1515.

- b. If requested, submit additional relevant information to the Division or the U.S. EPA.

SECTION H - ALTERNATE OPERATING SCENARIOS

None

SECTION I - COMPLIANCE SCHEDULE

None